

CLAIMS

1. Retractable parcel shelf system for a convertible vehicle with a rigid roof (1a) that folds in a storage space (4) of the vehicle, this vehicle has a longitudinal axis (100) and a front section (AV) and comprises a chassis (34) and a passenger compartment (56), the system comprises a central panel (7) and two lateral panels (8a, 8b) located on either side of the central panel, fixed to the latter and movable with respect thereto, as well as means for pivoting (20, 22) the central panel about at least one axis transverse to said longitudinal axis, from a normal operating position to a forward retracted position in the storage space, thus allowing to store the folded roof in the storage space or inversely to extract this roof from its stored position into a closed position above the passenger compartment, and means (40a, 46) for moving the lateral panels with respect to the central panel, characterised in that it comprises stop means fixed to the central panel (7) and moving with the same or with respect to the same towards the front or the rear of the vehicle, these means being embodied such that when

the central panel (7) pivots to the rear to move from its retracted position to its normal position even though the roof (1a) is in its stored position, these stop means abut a complementary formation on the roof
5 in its stored position in order to control the deployment of the lateral panels (8a, 8b) in relation to the central panel (7).

2. Parcel shelf system according to claim 1, characterised in that the stop means (46) are
10 permanently urged towards the rear by elastic return means (52).

3. Parcel shelf system according to claim 1 or 2, characterised in that the stop means (46) are laid out at the free end of at least one arm (22, 22a, 22b)
15 assembled so as to pivot about an axis transverse to the body of the vehicle.

4. Parcel shelf system according to any one of the previous claims, characterised in that the stop means (46) are linked via a connecting rod (40a, 40b) to
20 means for actuating (42) the corresponding lateral panel (8a, 8b).

5. Parcel shelf system according to claim 4, each lateral panel (8a, 8b) being assembled so as to pivot about an axis substantially perpendicular to the upper
25 surface (11) of the central panel (7), characterised in that each connecting rod (40a, 40b) is linked to the corresponding lateral panel (8a, 8b) via a spherical joint (42) located with respect to said axis (10) so that a relative forward displacement of each connecting
30 rod (40a, 40b) with respect to the central panel (7)

pivots the corresponding lateral panel (8a, 8b) towards its deployed position.

6. Retractable parcel shelf system according to any of the previous claims, characterised in that:

5 - the movable stop (46) is linked to a bar (30) extending transversally to the longitudinal axis (100) of the vehicle and attached to the chassis (34) of the vehicle;

10 - and the central panel (7) is assembled so as to pivot with respect to this bar (30), by means of at least a pair of articulated bars (20, 22);

 - and in that the system preferably comprises a stop (46) linked to the bar (30) in order to control each lateral panel (8a, 8b).

15 7. Retractable parcel shelf system according to any one of claims 5 or 6, characterised in that:

 - in the retracted position of the central panel (7), the latter and lateral panels (8a, 8b) are tilted in a substantially vertical position;

20 - and, during this tilting, the connecting rod (40a) operates on the corresponding articulated arm (46) in order to put it into a substantially vertical position, so that the roof can pass by.

8. Retractable parcel shelf system according to
25 claim 2 or any one of the claims which are thereof dependent, characterised in that in the normal operating position, although the roof (1a) is closed above the passenger compartment of the vehicle, the corresponding stop (46) is manoeuvred towards the rear
30 thanks to the return system (52) and thus retains the

lateral panels (8a, 8b) in a retracted position with respect to the central panel (7).

9. Retractable parcel shelf system according to any of the previous claims, characterised in that the
5 central panel (7) is, in the normal operating position, further forward in the direction of the front of the vehicle in the closed position of the roof (1a) than it is in the stored position of said roof.

10. Convertible vehicle with a rigid folding roof,
10 characterised in that it comprises a retractable parcel shelf system according to any one of the previous claims.